Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Friday 17 Feb 2023 until 23:59 on Saturday 18 Feb 2023

Forecast Issued on Friday 17 Feb 2023 at 02:22

Confidence: Medium for the pattern, low for the detail of cloud.

Headline for Friday 17 Feb 2023: Mainly dry and occasionally bright. Gale to severe gale summit winds easing out into afternoon.

Mountain weather hazards on Friday 17 Feb 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Cloudy	Cloudy	Cloudy	Light rain	Heavy Rain
Precipitation probability					
80%	10%	<05%	<05%	10%	80%

Forecast for Friday 17 Feb 2023

Weather: Overcast for much of the night with occasional rain or drizzle, most persistent across western areas of the Park. This clears south before dawn to leave a largely dry day with occasional bright and sunny spells developing. Cloud building from the west during the evening with light to moderate rain and summit snow extending to all before midnight.

Chance of cloud-free hill tops above 800m: 90% by day.

Low cloud and visibility: Good or very good becoming moderate or poor in rain and drizzle, very poor within cloud with bases extensive for much of the night down to 500m, infrequently so through the day.

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Mountain Weather Forecast

Forecast for Friday 17 Feb 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	50/59 W	48/58 W	37/48 W	31/40 W	19/24 W	25/30 S	37/45 SW
600	39/49 W	37/47 W	33/44 W	28/38 W	16/22 W	17/22 S	25/34 SW
300	11/41 W	12/37 W	15/37 W	12/31 W	4/18 W	3/17 S	5/26 SW
Valley	12/37 SW	10/33 W	15/34 W	12/28 W	4/15 W	2/10 S	7/25 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	6/-1	2/-8	1/-7	1/-7	1/-5	1/-5	4/-3
600	8/2	4/-3	4/-3	4/-3	3/-2	3/-2	5/-0
300	9/6	7/3	7/3	6/3	6/4	5/3	7/5
Valley	9/7	8/6	9/5	8/6	8/6	6/6	8/7
Freezing Level*	1700m	1000m	1000m	900m	900m	2000m	2000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Severe wind chill at height.

Forecast for Saturday 18 Feb 2023

Weather: Mainly cloudy with occasional rain, occasionally turning to snow across highest summits, particularly during the evening. Best chance of drier and brighter fare expected during the morning.

Maximum wind: West mean 30-35 mph at first, with gusts reaching 50 mph across most exposed ridges and summits, gradually easing through the day.

Chance of cloud-free hill tops above 800m: 20-30% during morning 10% or less from mid-day.

Low cloud and visibility: Good becoming moderate or poor in rain, very poor within cloud with bases quite extensive down to 500m, particularly from mid-day.

Temperature: **Valleys:** Plus 2 Celsius lifting 9 Celsius during the afternoon
At 800m: Plus 3 Celsius
Freezing level: Above summits

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Thursday 16 February 2023. Location: Helvellyn summit at 14:30 Full report: The calm before the storm! Gusty winds on Friday are forecast to reach 80mph on Lake District mountains. This is enough to violently blow fully grown adults off their feet with a high risk of injury. Please make good decisions and be adventuresmart if you are out and about in the fells. The fells are now generally clear of snow with the few remaining patches to be found above 900m on steep N through E aspects. Due to their location walkers are unlikely to come across them. The only area of concern is at the top of Swirral Edge which is guarded by bank of firm and icy snow. However this can easily be bypassed on steep grass to climbers right. Despite the lack of winter, summit temperatures were only just above freezing and this combined with poor visibility, wind and rain can give very challenging conditions. Walkers should be well prepared with plenty of warm and waterproof layers, hats & gloves, a headtorch and a reliable and appropriate method of navigation eg a GPS or phone app backed up by a map & compass. Temperature: plus 3.3 C, Maximum wind speed 23.8 mph, Wind chill: minus 3.3 C, Average wind speed: 19.9 mph

Issued at: 02:22 on Fri 17 Feb 2023

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